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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 99,818)

#2
WDS
6/21/00

In re Application of:

Mark O. Vogel, et al.

Serial No.: 09/538,342

Filed: March 29, 2000

For: Method for Improved Cable Modem Ranging
in a Data-Over-Cable System

Art Unit: 2711

Examiner: To be Assigned

Asst. Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

1. We are transmitting herewith the attached papers for the above-identified new patent application:

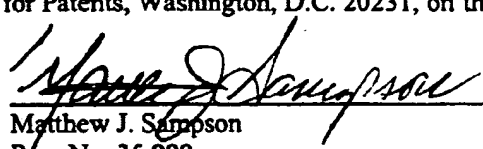
- ☒ Information Disclosure Statement (IDS)
☒ PTO-1449 Form
☒ Copies of Fifty-Eight (58) Cited References for 09/538,342
☒ Return Postcard

2. No fees are due at this time.

3. **GENERAL AUTHORIZATION TO CHARGE OR CREDIT FEES:** Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.

4. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this Transmittal Letter and the papers, as described in paragraph 1 herein-above, are being deposited with the United States Postal Service with sufficient postage as "First Class Mail" in an envelope addressed to: Asst. Commissioner for Patents, Washington, D.C. 20231, on this 16th day of June 2000.

By:


Matthew J. Sampson
Reg. No. 35,999

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INFORMATION DISCLOSURE STATEMENT

Asst. Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97-1.98, and in accordance with the duty of candor set forth in 37 C.F.R. §1.56, applicants wish to make the following references of record in the above-identified application. Copies of the references cited below are enclosed along with a copy of completed PTO Form-1449.

I. U.S. PATENT DOCUMENTS

<u>Document Number</u>	<u>Date</u>	<u>Name</u>
1) 5,014,234	05-07-91	Edwards, Jr.
2) 5,138,712	08-11-92	Corbin
3) 5,347,304	09-13-94	Moura et al.
4) 5,442,749	08-15-95	Northcutt et al.
5) 5,487,180	01-23-96	Ohtake
6) 5,488,412	01-30-96	Majeti et al.
7) 5,489,897	02-06-96	Inoue

8)	5,583,931	12-10-96	Schneider et al.
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10)	5,600,717	02-04-97	Schneider et al.
11)	5,606,606	02-25-97	Schneider et al.
12)	5,608,446	03-04-97	Carr et al.
13)	5,623,542	04-22-97	Schneider et al.
14)	5,623,601	04-22-97	Vu
15)	5,636,211	06-03-97	Newlin
16)	5,675,732	10-07-97	Majeti et al.
17)	5,710,885	01-20-98	Bondi
18)	5,761,602	06-02-98	Wagner et al.
19)	5,778,181	07-07-98	Hidary et al.
20)	5,790,198	08-04-98	Roop, et al.
21)	5,790,548	08-04-98	Sistanizadeh, et al.
22)	5,790,677	08-04-98	Fox, et al.
23)	5,799,086	08-25-98	Sudia
24)	5,805,804	09-08-98	Laursen, et al.
25)	5,812,819	09-22-98	Rodwin et al.
26)	5,818,845	10-06-98	Moura, et al.
27)	5,819,042	10-06-98	Hansen
28)	5,828,655	10-27-98	Moura, et al.
29)	5,835,727	11-10-98	Wong et al.
30)	5,854,901	12-29-98	Cole, et al.
31)	5,859,852	01-12-99	Moura, et al.
32)	5,864,679	01-26-99	Kanai, et al.

33)	5,870,134	02-09-99	Laubach, et al.
34)	5,872,523	02-16-99	Dellaverson, et al.
35)	5,884,024	03-16-99	Lim et al.
36)	5,922,049	07-13-99	Radia, et al.
37)	5,923,659	07-13-99	Curry, et al.
38)	5,958,007	09-28-99	Lee et al.
39)	5,974,453	10-26-99	Anderson et al.
40)	5,996,076	11-30-99	Rowney et al.
41)	6,009,103	12-28-99	Woundy
42)	6,012,088	01-04-00	Li et al.
43)	6,013,107	01-11-00	Blackshear et al.
44)	6,018,767	01-25-00	Fijolek et al.
45)	6,049,826	04-11-00	Beser
46)	6,058,421	05-02-00	Fijolek et al.
47)	6,070,246	05-30-00	Beser

II OTHER DOCUMENTS

- 48) "Baseline Privacy Interface Specification (Interim) SP-BPI-I01-970922", MCNS Holdings, L.P., 1997, Pgs. ii to 65.
- 49) "Security System Specification (Interim Specification) SP-SSI-I01-970506", MCNS Holdings, L.P., 1997, Pgs. ii to 103.
- 50) "Cable Modem to Customer Premise Equipment Interface Specification (Interim) SP-CMCI-I02-980317", Multimedia Cable Network Systems (MCNS) Holdings, L.P., Cable Television Laboratories, Inc., 1998, Pgs. ii to 40.
- 51) "Operations Support System Interface Specification Baseline Privacy Interface MIB (Interim Specification) SP-OSSI-BPI-I01-980331", MCNS Holdings, L.P., 1997 and 1998, Pgs. ii to 33.
- 52) "Cable Modem Termination System-Network Side Interface Specification (Interim Specification) SP-CMTS-NSII01-960702", MCNS Holdings, L.P., 1996, Pgs. ii to 13.

- 53) "Removable Security Module Interface Specification (Interim Specification) SP-RSMI-I01-980204", MCNS Holdings, L.P., Cable Television Laboratories, Inc., 1997, Pgs. ii to 47.
- 54) "Operations Support System Interface Specification (Interim) SP-OSSII01-970403", MCNS Holdings, L.P., 1997, Pgs. 1 to 30.
- 55) "Radio Frequency Interface Specification (Interim Specification) SP-RFI-I02-971008", MCNS Holdings, L.P., 1997, Pgs. ii to 186.
- 56) "Cable Modem Telephony Return Interface Specification (Interim) SP-CMTRI-I01-970804", MCNS Holdings, L.P., Cable Television Laboratories, Inc., 1997, Pgs. ii to 73.
- 57) "Dynamic Host Configuration Protocol (DHCP)", Request for Comments 2131, Internet Engineering Task Force, March 1997, Pgs. 1 to 42.
- 58) "IPCDN Telephony Return MIB", IPCDN Working Group, Internet Engineering Task Force, March 1998, Pgs. 1 to 26.

III. DISCUSSION

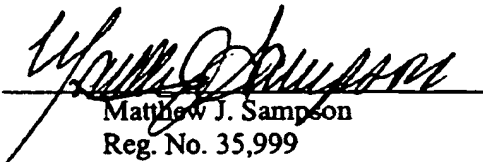
Applicants submit that these documents, whether taken alone or in combination, fail to show or suggest the claimed subject matter. Applicants request that the Examiner consider the entirety of each document and make them of record in this application. Applicants' submission of these documents for consideration is not to be construed as an admission that the documents qualify as prior art to the claimed subject matter, a representation that a search has been made, nor as an admission that the information is considered to be material to patentability.

Respectfully submitted,

McDonnell, Boehnen, Hulbert & Berghoff

Date: June 16, 2000

by:


Matthew J. Sampson
Reg. No. 35,999

FORM PTO-1449
(Rev., 2-32)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

99,818

Serial No.

09/538,342

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant:

Mark O. Vogel, et al.

Filing Date:

3/29/00

Group:

2711

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	1	5,014,234	05-07-91	Edwards, Jr.	364	900	08-25-86
	2	5,138,712	08-11-92	Corbin	395	700	10-02-89
	3	5,347,304	09-13-94	Moura et al.	348	12	07-28-93
	4	5,442,749	08-15-95	Northcutt et al.	395	200.09	07-09-93
	5	5,487,180	01-23-96	Ohtake	455	54.1	03-17-94
	6	5,488,412	01-30-96	Majeti et al.	348	10	03-31-94
	7	5,489,897	02-06-96	Inoue	340	870.39	04-13-93
	8	5,583,931	12-10-96	Schneider et al.	379	399	07-14-95
	9	5,586,121	12-17-96	Moura et al.	370	404	04-21-95
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	14	5,623,601	04-22-97	Vu	395	187.01	11-21-94
	15	5,636,211	06-03-97	Newlin et al.	370	465	8-15-95
	16	5,675,732	10-07-97	Majeti et al.	395	200.01	05-08-95
	17	5,710,885	01-20-98	Bondi	395	200.54	11-28-95

EXAMINER

DATE CONSIDERED

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	23	5,799,086	08-25-98	Sudia	380	23	02-19-97
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	37	5,923,659	07-13-99	Curry, et al.	370	401	09-20-96
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	39	5,974,453	10-26-99	Anderson et al.	709	220	10-08-97
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	43	6,013,107	01-11-00	Blackshear et al.	703	229	10-06-97
	44	6,018,767	01-25-00	Fijolek et al.	709	218	02-24-98
	45	6,049,826	04-11-00	Beser	709	222	02-04-98
	46	6,058,421	05-02-00	Fijolek et al.	709	225	02-04-98
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							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

48	"Baseline Privacy Interface Specification (Interim) SP-BPI-I01-970922", MCNS Holdings, L.P., 1997, Pgs. ii to 65.
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54	"Operations Support System Interface Specification (Interim) SP-OSSI01-970403", MCNS Holdings, L.P., 1997, Pgs. 1 to 30.
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Hon. Commissioner of
Patents and Trademarks

S/N 09/538,342

Atty MJD

Re: Applicant - Mark O. Vogel et al.

Case No. 99,818

Method for Improved Cable Modem Ranging in a Data-Over-Cable System

Sir:

Please place the Patent Office receipt stamp hereon and mail to acknowledge receipt of:

- ☒ Transmittal in Duplicate
- ☒ Information Disclosure Statement (IDS)
- ☒ PTO-1449 Form
- ☒ Copies of Fifty-Eight (58) Cited References for 09/538,342
- ☐ Filing Fee Check

\$0-

Date Mailed: June 16, 2000

Respectfully,

McDonnell Boehnen Hulbert & Berghoff
Attorney for Applicant

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